



**PRAIRIE CREEK MINE:
ALL SEASON ROAD
ENVIRONMENTAL ASSESSMENT SCOPING
June, 2014**



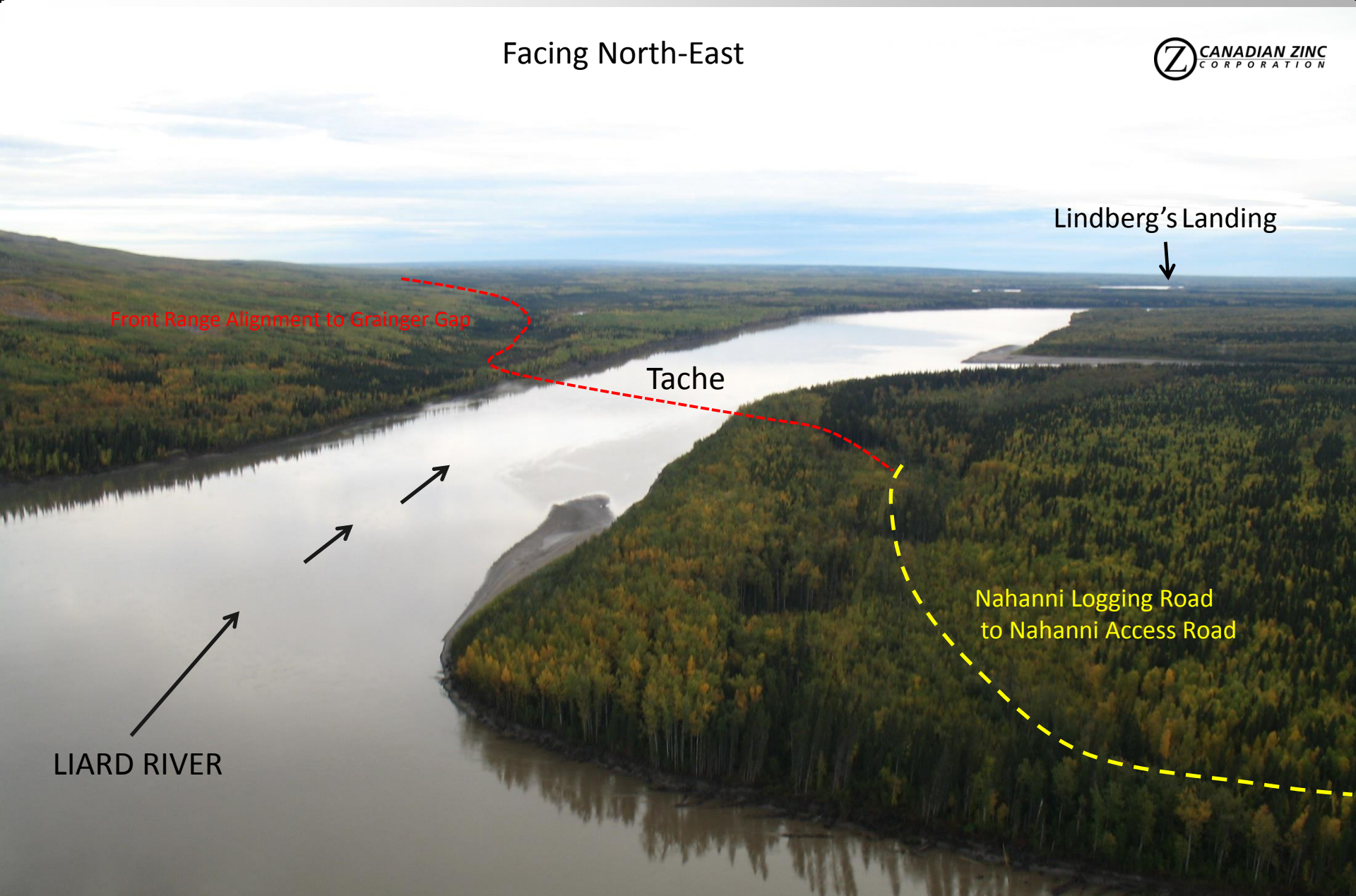
Mine Access Road and Transfer Facilities



Winter Road Operation Strategy

- Open western part of road to Tetcela Transfer Facility (TTF) in early winter
- Start haul of concentrates to TTF
- Open eastern part of road to Liard Hwy by January 15
- Complete concentrate haul to LTF by March 31

Facing North-East



**Location of Liard Crossing:
Ice Bridge, Barge Landings and Staging Areas**

Expected Liard Facility Transfer Traffic

From	Trips per Day	Period	
		From	To
Mine & TTF	58	January 15	March 6
Mine	37	March 6	April 15
Fort Nelson	14	January 15	October 15*

Dates subject to weather

* Does not signify end of haul period

Winter Road Operation Issues

- Risk of early winter opening not possible
- Risk of accidents in busy winter period, especially in the mountains
- Mine revenue from concentrates stranded until delivered to market

All Season Road Opportunities

- An all season road bed already exists between the Mine and Cat Camp (Km 40), and was permitted for all season use previously
- Very little soft ground between the Mine and the TTF
- An all season road would be a regional stimulus

All Season Road Application

➤ Phase 1 – CZN only

- All season road from the Mine to TTF, taking advantage of existing bed and good ground
- Expansion of the TTF to store more concentrates and allow for a refuelling station
- A 2nd airstrip connected to the road, and use of historical airstrips

➤ Phase 2 – CZN or a Collaboration

- All season road from the TTF to the Liard Highway, but much more soft ground



Cat Camp Airstrip



Silent Hills and Grainger Airstrips

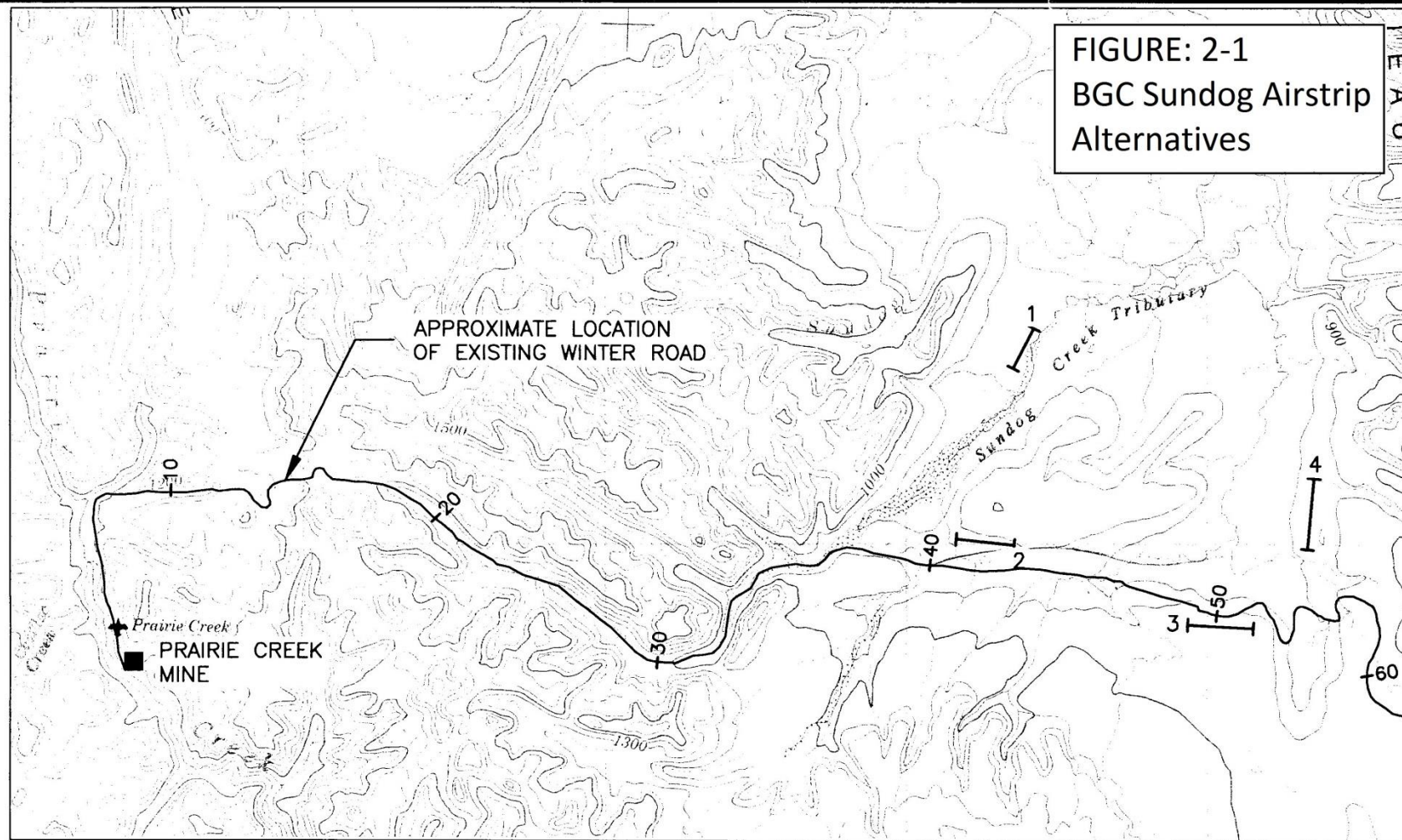
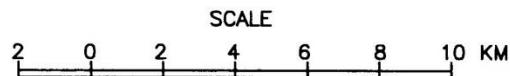


FIGURE: 2-1
BGC Sundog Airstrip
Alternatives

SOURCE
NTS MAP SHEET 95F (VIRGINIA FALLS)



NOTE:
LOCATION OF FOUR ALTERNATIVE AIR STRIPS ARE
APPROXIMATE. SEE TABLE 1 FOR SITE DESCRIPTIONS.

SCALE: 1:200 000 DATE: JAN 2001 DRAWN: KB DESIGNED: KWS CHECKED: KWS APPROVED:

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BGC ENGINEERING INC.

AN APPLIED EARTH SCIENCES COMPANY

Vancouver, B.C. Phone: (604) 684 5900

CLIENT:

CANADIAN ZINC CORPORATION

PROJECT

PRAIRIE CREEK MINE

TITLE

ALTERNATIVE AIR STRIP
LOCATIONS

PROJECT No.

0059-002-04

DWG. No.

01

REV.

All Season Road Construction

- Use of winter road alignment, with possible minor alterations
- Single lane with turn-outs
- Road sub-bed of fill with gravel surfacing, material sourced locally
- Appropriate stream crossing and runoff management structures
- Barge ramps and landings on the Liard River

Aggregate Sources



TTF Expansion



All Season Road Traffic – Phase 2

- Estimated 16 truck trips per day from the Mine, likely in convoys, taking concentrates out and bringing supplies in on backhaul
- Limited number of special deliveries e.g. explosives
- No change in Liard Highway traffic

Potential Environmental Issues

Phase 1

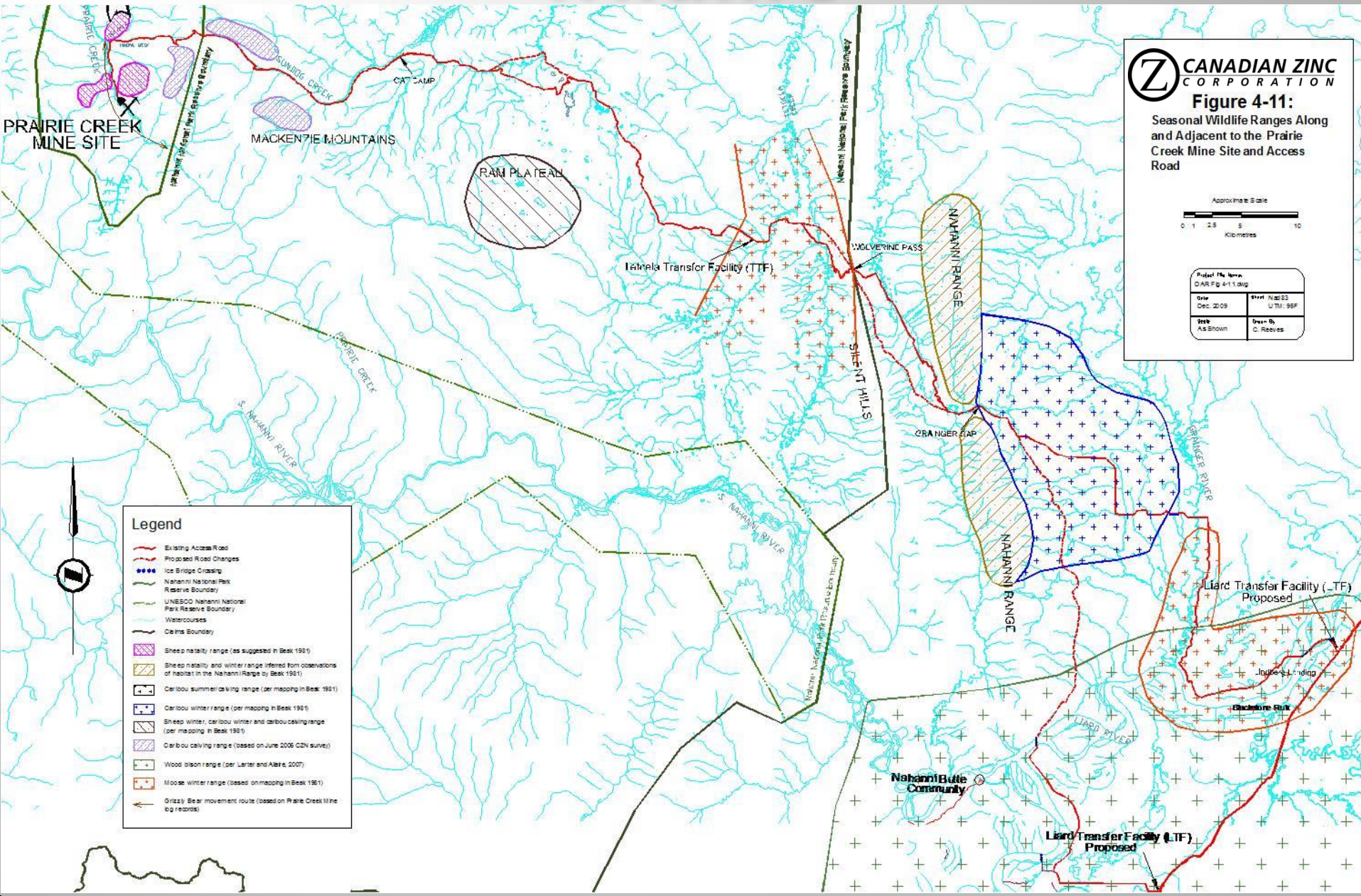
- Creek crossings
- Wildlife disturbance
- Risk of spills, especially on karst

Potential Environmental Issues

Phase 2

- Creek crossings
- Wildlife disturbance
- Hunting pressure on wildlife from increased access
- Increased tourism
- Summer Mine traffic

Wildlife



Fish



Fish



All Season Road Application

- Thank you
- Questions?